

# Panayiotis Kalkavouras

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Date of Birth: 7 April 1986, Greek nationality



## I. Education

Date	<b>October 2016 to present</b>
Title of qualification awarded	<b>Doctor of Philosophy (PhD) in Atmospheric Chemistry and Physics</b>
Educational organisation	University of Crete [UOC], Faculty of Science, Department of Chemistry, Environmental Chemical Processes Laboratory Topic: «New Particle Formation in the Eastern Mediterranean and its role in the formation of Cloud Condensation Nuclei and Cloud Droplet Number». Supervisor: Prof. Nikolaos Mihalopoulos.
Date	<b>April 2015</b>
Title of qualification awarded	<b>Master of Science (MSc) in Applied Physics – Environmental Physics</b>
Educational organisation	National Kapodistrian University of Athens [NKUOA], Faculty of Science
Date	<b>March 2012</b>
Title of qualification awarded	<b>Bachelor of Science (BSc) in Physics</b>
Educational organisation	National Kapodistrian University of Athens [NKUOA], Faculty of Science

## II. Professional Experience

Dates	<b>October 2016 to present</b>
Position Held	PhD Candidate/ <b>Atmospheric pollution measurement station (Thissio)</b> , Athens, Greece
Employer	<b>University of Crete</b> , Heraklion, Greece
Main activities and responsibilities	Atmospheric Aerosols, New Particle Formation, Air Quality, Particulate Matter, Chemical Composition, Aerosol-Cloud-Climate Interactions, CCN and Aerosol Hygroscopicity, Cloud Droplet formation, Aerosol Sampling, Aerosol Size Distribution, Source Apportionment.
Dates	<b>May 2013 – June 2015</b>
Position Held	Assistant Member
Employer	<b>Research Group of Numerical Applications in the Atmosphere</b> , Athens, Greece
Main activities and responsibilities	Investigation of air pollution in local and regional scale based on experimental measurements and numerical models.

Dates	<b>December 2010 – May 2011</b>
Position Held	Trainee
Employer	<b>Directorate of Air &amp; Noise Pollution, Ministry of Environment, Energy and Climate Change,</b> Athens, Greece
Main activities and responsibilities	Collecting measurements of emissions from pollution sources (industrial and relative activities) and data mining under EC Regulation 166/2006/EK (European Polluting and Transfer Register – E PRTR).

### III. Research Dossier

#### III. 1 Congress Presentations

**[a].** 14<sup>th</sup> International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2018 (Alexandroupolis – Greece 2018)  
«Aerosol sub-micrometer size distribution in the urban environment of Athens» Kalkavouras P. **(poster Air Quality).**

**[b].** 13<sup>th</sup> International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2016 (Thessaloniki – Greece 2016)  
«Impact of chemical composition on new particle formation at South Aegean Sea during summertime Etesians» Kalkavouras P. **(oral presentation in English).**

**[c].** 12<sup>th</sup> International Conference on Meteorology, Climatology and Atmospheric Physics, COMECAP 2014 (Heraklion – Greece 2014)  
«Simultaneous gas and aerosols measurements at Santorini and Finokalia during Etesians» Kalkavouras P. **(oral presentation in English).**

#### III. 2 Publications in Scientific Journals

**[a].** «Sources of total particles and Cloud Condensation Nuclei levels in the Eastern Mediterranean: urban vs remote background environments», Bougiatioti A., Kalkavouras P., Zarmas P., & Mihalopoulos N., Int. J. Environ. Sci. & Nat. Res., DOI: 10.19080/IJESNR.2019.18.555985, 2019.

**[b].** «Regional New Particle Formation as Modulators of Cloud Condensation Nuclei and Cloud Droplet Number in the Eastern Mediterranean», Kalkavouras P., Bougiatioti A., Kalivitis N., Stavroulas I., Tombrou M., Nenes A., & Mihalopoulos N., Atmos. Chem. Phys., 19, 6185-6203, doi.org/10.5194/acp-19-6185-2019, 2019.

**[c].** «Formation and growth of atmospheric nanoparticles in the eastern Mediterranean: results from long-term measurements and process simulations», Kalivitis N., Kerminen V.-M., Kouvarakis G., Stavroulas I., Tzitzikalaki E., Kalkavouras P., Daskalakis N., Myriokefalitakis S., Bougiatioti A., Manninen H., Roldin P., Petäjä T., Boy M., Kulmala M., Kanakidou M., & Mihalopoulos N., Atmos. Chem. Phys., 19, 2671-2686, doi.org/10.5194/acp-19-2671-2019, 2019.

**[d].** «New Particle Formation in the South Aegean Sea during the Etesians: importance for CCN production and cloud droplet number», Kalkavouras P., Bossioli E., Bezantakos S., Bougiatioti A., Kalivitis N., Stavroulas I., Kouvarakis G., Protonotariou A. P., Dandou A., Biskos G., Mihalopoulos N., Nenes A., & Tombrou M., Atmos. Chem. Phys., 17, 175-192, doi.org/10.5194/acp-17-175-2017, 2017.

### IV. Technical Tools

Programming languages  
MATLAB, FORTRAN, IGOR Pro, GIS software, Python

### V. Speaking Languages

Greek: Mother tongue, English: Professional level, French: Elementary